

In the Claims:

1 1. (Currently amended) Insulation arrangement for a pipe,
2 especially for a pipe of a pneumatic system in a passenger
3 transport aircraft, ~~which essentially comprises at least~~
4 ~~one insulation material layer (6), comprising a~~
5 pre-fabricated shell that includes an outer sheath
6 consisting of titanium foil (31), and first and second
7 termination profiles, wherein the outer sheath (3) has at
8 least one longitudinal seam (13) and a first end section
9 (32) and a second end section (33), and ~~[[said]]~~ the outer
10 sheath is connected at ~~[[said]]~~ the first and second end
11 sections respectively with ~~[[said]]~~ the first and second
12 termination profiles, ~~whereby said outer sheath and said~~
13 ~~termination profiles connected thereto form a shell (9)~~
14 ~~into which the~~ and wherein the shell is adapted to receive
15 therein an insulation material layer (6) is insertable, and
16 which shell is mountable and to be mounted on the pipe
17 ~~by passing said~~ with the longitudinal seam over the pipe,
18 ~~and wherein said shell includes said outer sheath connected~~
19 ~~with said termination profiles before said insulation~~
20 ~~material layer is inserted in said shell and said shell is~~
21 ~~mounted on the pipe.~~ of the outer sheath open, and with the
22 insulation material layer received in the shell.

1 2. (Previously presented) Insulation arrangement according to
2 claim 1, characterized in that each said termination
3 profile (7) is embodied as a Z-profile, including an upper

web (71) connected with the titanium foil (31), and a middle web (72) as well as a lower web (73) that form a receiver receiving the insulation layer (6).

Claims 3 to 10 (Canceled).

11. (Previously presented) Insulation arrangement according to claim 1, characterized in that the shell (9) is embodied as a full shell, which is opened at the longitudinal seam (13) and slipped over the pipe (2), and is closed by means of joint webs (14, 14') provided on the longitudinal seam (13).

12. (Previously presented) Insulation arrangement according to claim 11, characterized in that a connection on the longitudinal seam (13) between the joint webs (14, 14') is produced by adhesive bonding or welding.

13. (Previously presented) Insulation arrangement according to claim 1, characterized in that the shell (9) is embodied as two half shells, which comprise two longitudinal seams, the two half shells are positioned on the pipe (2), and the insulation is closed by means of joint webs (14, 14') provided on the longitudinal seams.

14. (Previously presented) Insulation arrangement according to claim 13, characterized in that a connection on the

3 longitudinal seam (13) between the joint webs (14, 14') is
4 produced by adhesive bonding or welding.

1 15. (Previously presented) Insulation arrangement according to
2 claim 1, characterized in that a securing web (15) to
3 produce a form-locking secured connection is provided on
4 the longitudinal seam.

1 16. (Previously presented) Insulation arrangement according to
2 claim 1, characterized in that the titanium foil (31)
3 comprises a profiled or patterned configuration (4).

1 17. (Previously presented) Insulation arrangement for a pipe,
2 especially for a pipe of a pneumatic system in a passenger
3 transport aircraft, which essentially comprises at least
4 one insulation layer (6), an outer sheath consisting of
5 titanium foil (31), and first and second termination
6 profiles, wherein the outer sheath (3) has at least one
7 longitudinal seam (13) and a first end section (32) and a
8 second end section (33), and said outer sheath is connected
9 at said first and second end sections respectively with
10 said first and second termination profiles, whereby said
11 outer sheath and said termination profiles connected
12 thereto form a shell (9) into which the insulation layer
13 (6) is insertable, wherein the outer sheath (3) comprises
14 outlet holes (5), warning wires (11) are arranged above the
15 outlet holes (5), and an anti-rotation securement (8) is

16 provided, which prevents a position change between the pipe
17 (2) and the shell (9).

1 18. (Previously presented) Insulation arrangement according to
2 claim 17, characterized in that the anti-rotation
3 securement (8) is a partial adhesive connection, as a
4 fillet joint seam (81) of a temperature resistant adhesive
5 or a paste between the termination profile (7) and the
6 pipe (2).

1 19. (Previously presented) Insulation arrangement according to
2 claim 1, characterized in that stiffening elements (12) are
3 at least partially applied onto the inner side of the
4 titanium foil (31).

1 20. (Currently amended) An insulation arrangement for thermally
2 insulating a pipe, said insulation arrangement comprising:
3 a shell that comprises:

4 a cylindrical outer sheath comprising a titanium
5 foil, and having a longitudinal seam extending
6 therealong in a longitudinal direction, and a
7 first end section and a second end section at
8 opposite first and second ends of said outer
9 sheath in said longitudinal direction;

10 a metal first termination profile positioned within
11 and connected to said first end section of said
12 outer sheath and extending radially inwardly from
13 said outer sheath; and

14 a metal second termination profile positioned within
15 and connected to said second end section of said
16 outer sheath and extending radially inwardly from
17 said outer sheath;

18 wherein ~~said first and second termination profiles~~
19 ~~each respectively have a circular ring disk shape~~
20 ~~with a limited longitudinal extent in said~~
21 ~~longitudinal direction respectively within said~~
22 ~~first and second end sections, and said first and~~
23 ~~second termination profiles are spaced apart from~~
24 ~~one another in said longitudinal direction;~~

25 and

26 at least one layer of thermal insulation material inserted
27 into said shell through said longitudinal seam of said
28 outer sheath to form a cylindrical insulation material
29 jacket adapted to surround the pipe, wherein said
30 cylindrical insulation material jacket is received and
31 held by said termination profiles in a cylindrical
32 shell space bounded longitudinally between said
33 termination profiles and bounded radially inside said
34 outer ~~[[sheath-]]~~ sheath;

35 wherein said shell with said thermal insulation material
36 therein is adapted to be mounted on the pipe via said
37 longitudinal seam which is open.

1 21. (Currently amended) The insulation arrangement according to
2 claim 20, wherein each said termination profile includes
3 ~~a cylindrical~~ an outer web extending along and connected to

4 said outer sheath at a respective one of said end sections,
5 a ~~disk-shaped~~ middle web extending radially inwardly from
6 said outer web along a radial plane transverse to said
7 longitudinal direction, and a ~~cylindrical~~ an inner web
8 extending in said longitudinal direction from a radially
9 inner end of said middle web, whereby said cylindrical
10 shell space is defined radially between said inner web and
11 said outer sheath, and said inner web serves to hold said
12 cylindrical insulation material jacket in said cylindrical
13 shell space.

1 22. (Currently amended) The insulation arrangement according to
2 claim ~~[[207]]~~ 1, wherein said termination profiles are
3 connected to said outer sheath by respective weld joints.

1 23. (Currently amended) The insulation arrangement according to
2 claim ~~[[207]]~~ 1, wherein said termination profiles are not
3 connected to the pipe.

1 24. (Currently amended) The insulation arrangement according to
2 claim ~~[[207]]~~ 1, further comprising an adhesive joint
3 connecting said termination profiles to the pipe.

1 25. (Currently amended) The insulation arrangement according to
2 claim ~~[[207]]~~ 1, wherein said ~~thermal~~ insulation material
3 layer is fiberglass wool.

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1 26. (Currently amended) A method of using the insulation
2 arrangement according to claim ~~[[20]]~~ 1 for thermally
3 insulating a pipe, said method comprising the steps:

4 a) providing said shell including said outer sheath and
5 said termination profiles connected thereto;

6 b) with said longitudinal seam open, inserting said
7 ~~at least one layer of thermal~~ insulation material
8 layer through said longitudinal seam into ~~[[said]]~~ a
9 cylindrical shell space within said shell;

10 c) with said longitudinal seam open, after said step b),
11 mounting said shell onto said pipe by passing said
12 pipe through said longitudinal seam; and

13 d) after said step c), closing said longitudinal seam.

Claim 27 (Canceled).

[RESPONSE CONTINUES ON NEXT PAGE]